

DIRECTOR, U.S. PATENT AND TRADEMARK OFFICE  
WASHINGTON, DC 20231In re Application of: **COBB ET AL.**Serial No: **09/393,639**Filed: **September 10, 1999**For: **CARRIER INJECTING WAVEFORM-BASED MODULATION SCHEME  
FOR REDUCING SATELLITE TRANSPONDER POWER REQUIREMENTS  
AND EARTH TERMINAL ANTENNA SIZE**

Sir:

Transmitted herewith is an amendment in the above-identified application.

☐ Small entity status of this application under 37 CFR § 1.27 has been established by a verified statement previously submitted☐ A verified statement to establish small entity status under 37 CFR § 1.27 is enclosed.☒ No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1)	(Col. 2)	(Col. 3)		SMALL ENTITY			LARGE ENTITY	
FOR:	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE	FEE		RATE	FEE
TOTAL CLAIMS	20	28	0		X 9	\$	<u>OR</u>	X 18	\$
INDEPT CLAIMS	4	4	0		X 42	\$	<u>OR</u>	X 84	\$
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					+ 135	\$	<u>OR</u>	+ 270	
					TOTAL ADD'L FEE			TOTAL ADD'L FEE	\$

If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

If the "Highest Number Previously Paid For: IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment of the number of claims originally filed.

☐ Enclosed is our check in the amount of \$ \_\_\_\_\_. The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 08-0870.☒ The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 08-0870.☒ PLEASE ADDRESS ALL CORRESPONDENCE TO ATTORNEY OF RECORD: CHRISTOPHER F. REGAN☒ Please associate this application with Customer No. 27975.

27975

PATENT TRADEMARK OFFICE

12/13/2002 DSAVOY 00000001 080870 09393639

01 FC:1201 168.00 CH  
02 FC:1202 54.00 CHDecember 2, 2002  
DATE  
CHRISTOPHER F. REGAN  
REG. NO. 34,906

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Technology Center 2600

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